LOCKHEED MARTIN

MyParts
Part selection/management

2008 PSMC Conference

MS2 at a Glance

- *Expertise in the Land, Sea, Undersea, Air, Near-Space Domains*
- *Complex Systems Integration*
- *Advanced Technology Sensor Products*

Solving our customer's most demanding challenges

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What is MyParts?

- *Engineering part search/selection tool*
- *Parts list (PL) / bill of material (BOM) editor*
- *Part pricing analysis tool*
- *Part/supplier collaboration tool*
  - *Infrastructure utilizes over 30 servers*
- *First production release in 2003*
  - *Many features added as result of user feedback*

Continuing to evolve as enterprise tool

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Why MyParts?

- *Many legacy systems used by engineering*
- *Aggressive project schedules*
- *Sites had different set of tools/processes*
  - *Limited data sharing*
- *Part proliferation*
- *Enforce design approval process*

Single tool for part selection and management

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Engineering part selection

- *Program/project requirements*
- *Program/project approval*
- *Design requirements*
- *Component lead times*
- *CAD library models*
- *DMS cases*
- *Problem/engineering change history*
- *Preferred suppliers*
- *Sourcing agreements*

Many factors affect part selection

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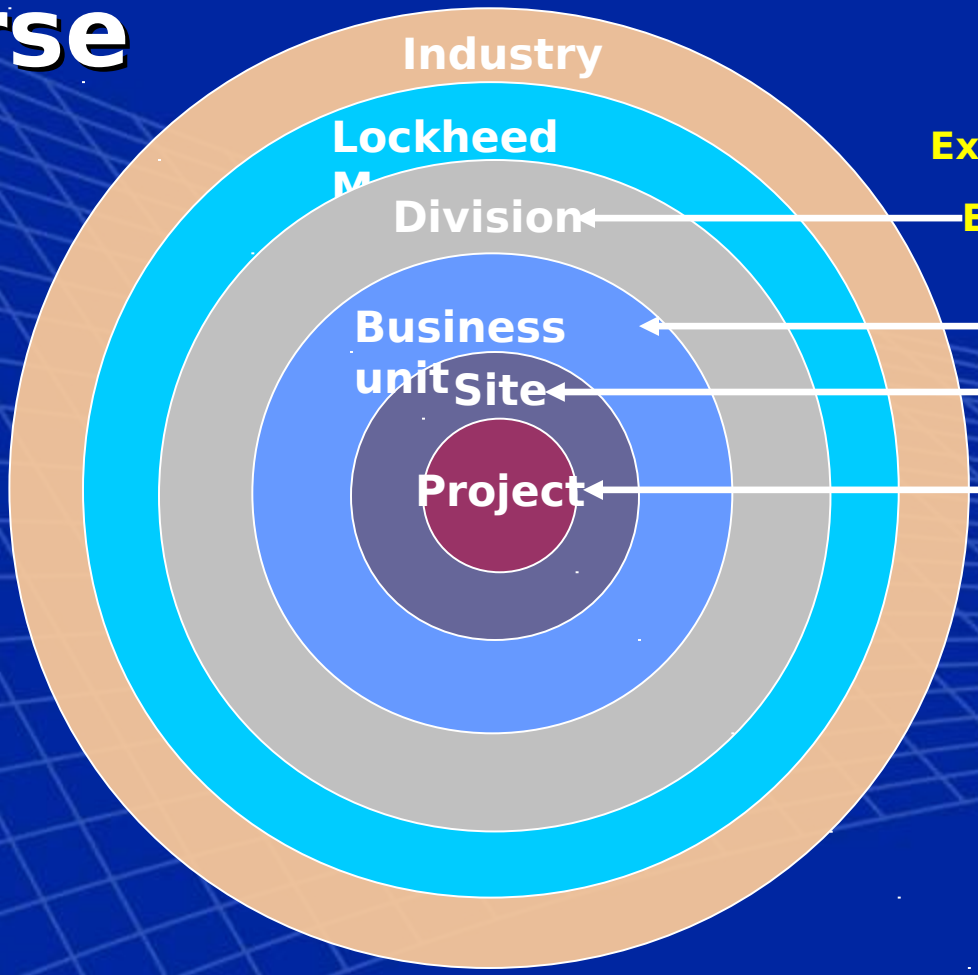
Lockheed Martin part universe



Example:

Electronic Systems

MS2

MS2 - Moorestown

AEGIS program

Goal is provide engineering with project-approved parts

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Part search features

- *Search context*
- *Part classification/taxonomy*
- *Part application (i.e. military, industrial, commercial)*
- *Part parametrics/attributes*
- *COTS/3rd party integration*

Make it easy for engineering to obtain part information

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MyParts benefits

- *Central access to engineering part data*
- *Decreased parts list approval time*
- *Online parts catalog*
- *Ability to view part/supplier data across corporation*
- *Common approach to part selection*
  - *Reduction in new part requests*

Integrated tool for part selection and management

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Demo

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